

# SPECIFICATIONS



## MediaMatrix® Miniframe 208™

### SPECIFICATIONS

#### SYSTEM CONTROLLER CARD:

**Processor:**

80486 DX2 66 MHz  
(equivalent or greater)

**Cache:**

128 K

**Memory:**

8 MB RAM

**Drives:**

3.5" FDD  
420 MB HDD (minimum)

#### SYSTEM CONTROLS:

Keyboard Lock  
Reset, HDD, and Power Switches  
Power LEDs

**Video:**

1024 x 768 256-Color Video with  
70 Hz Refresh Rate

#### DIGITAL AUDIO PROCESSING CARD:

**Processor:**

Eight Motorola® 56002 DSPs  
(each card)

**CARD I/O: (VIA MM™-8840 OR  
MM™-8830)**

8 Inputs (expandable to 32)  
8 Outputs (expandable to 32)

**FILTERED AIR SYSTEM:**

12 V DC fan  
Air movement is 168 CFM (Cubic Feet  
Per Minute)  
Fan Size: 4.69" x 4.69" x 1"

**PHYSICAL CHARACTERISTICS:****Enclosure Dimensions:**

Height: 6.7 inches  
Width: 17 inches  
Length: 18.5 inches

**Front Panel:**

Height: 7 inches  
Width: 19 inches

**Weight:**

56 lbs.

**POWER SUPPLY:**

250 watt, Four Output  
Complies with UL/CSA/VDE/CE

**Input Voltage:**

110-220 V AC (switchable)

**Input Frequency:**

50 Hz to 60 Hz

**OPERATING SYSTEM:**

DOS, Windows™ for System Controller  
Card  
MWare™ operating software for Digital  
Audio Processing Card (In Windows™  
Environment)

**AUDIO DEVICES:**

Automatic Mixers from 2 to 8 (expandable  
to 32) channels  
MM-8800 Series Control  
Externally controllable levels, switches,  
and routers  
Crossovers 2-way, 3-way, and 4-way  
slopes from 6 to 24 dB per octave in  
6 dB steps

Delay Lines of various delay lengths  
and number of taps  
Automatic Gain Control  
Compressor/Limiter  
Ducker  
Expander  
Noise Gate  
1/3 octave graphic equalizer  
1 octave graphic equalizer  
Parametric Equalizers  
High Pass Filter  
Low Pass Filter  
All Pass Filter  
High Shelf Filter  
Low Shelf Filter  
Tone Control  
Inputs  
Level  
Level with Trim  
Overload Indicator  
Signal Present Indicator  
Meters  
Mixers in various configurations from 2  
to 8 inputs, from 1 to 8 buses,  
expandable to 32  
Output  
Label  
Block  
Presets  
Pink Noise Generator  
Probe  
Sine Generator  
White Noise Generator  
Additionally, new devices may be  
created and stored by the operator.

**FEATURES:**

- Eight Motorola 56002 DSP's  
(equivalent to two MM-DSP  
DPU cards)
- 8 Channels of I/O standard

- (expandable to 32)
- Standard 19" NEMA rack-mount enclosure
- 1024 x 768 256-Color Video with a 70Hz refresh rate.
- 250 Watt, 4 output power supply
- Lockable front control panel
- Internal air filtering system
- Heavy-duty, all-welded construction
- Three (3) switches for keyboard lock, processor reset, and auxiliary functions
- 420 MB HDD
- 3.5" FDD

## DESCRIPTION

The MediaMatrix® Miniframe 208 is the heart of an unprecedented digital audio system. The system is based on an open architecture that utilizes a system controller card and digital processing cards employing a total of eight (8) Motorola 56002 DSP chips. When attached to the MM™-8830 or MM™-8840 Digital Interface, it provides 8 inputs and 8 outputs. The maximum system capacity is 32 total inputs and outputs. The MediaMatrix® MWare™ operating software provides the user/

designer the ability to design, wire (in the soft domain), and troubleshoot a complete digital audio system. The user can then control all the parameters of the system or create custom panels, or even devices, to provide solutions not previously available.

The MWare™ operating software provides system diagnostics, system design, audio devices, and DSP compiling features, which run under the familiar Windows™ environment.

## ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The audio processing shall be in the digital domain following the input source and shall remain until power amplification is required. The audio processing system shall be able to provide a list of audio devices, which may be chosen and configured into the system at any time, from a device menu running under the familiar Windows™ environment. The list shall include, but not be limited to, Automatic Mixers from 2 to 8 channels (expandable to 32); Digital Interface controls; externally controllable levels, switches, and routers;

Crossovers: 2-way, 3-way, and 4-way slopes configurable from 6 to 48 dB per octave in 6 dB steps; Delay lines of various delay lengths and number of taps; Distribution amplifiers from 2 to 16 outputs; Automatic Gain Control; Compressor/Limiter; Ducker; Expander; Noise Gate; 1/3 octave graphic equalizer; 1 octave graphic equalizer; Parametric Equalizers from 1 to 8 band; High Pass Filter; Low Pass Filter; All Pass Filter; High Shelf Filter; Low Shelf Filter; Tone Control; Inputs; Level; Level with Trim; Overload Indicator; Signal Present Indicator; Peak Meter; R.M.S. Meter; Mixers in various configurations from 2 to 32 inputs, from 1 to 16 buses; Output; Label; Block; Presets; Routers from 1x1 to 32 x 32; Pink Noise Generator; Probe; Sine Generator; White Noise Generator; and the ability to create and store new devices as required.

The hardware shall consist of one (1) system controller card and digital audio processing with eight (8) Motorola 56002 DSP chips. The system shall have diagnostics software available for troubleshooting system hardware. The system shall have a minimum of a 250 Watt power supply. The system shall be a MediaMatrix® Miniframe 208™.

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## LIMITED WARRANTY

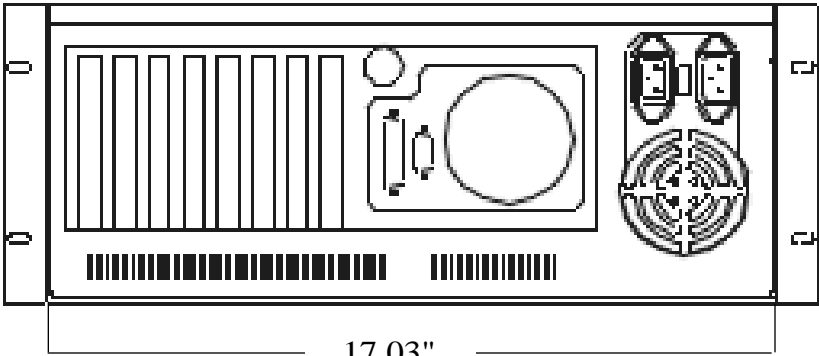
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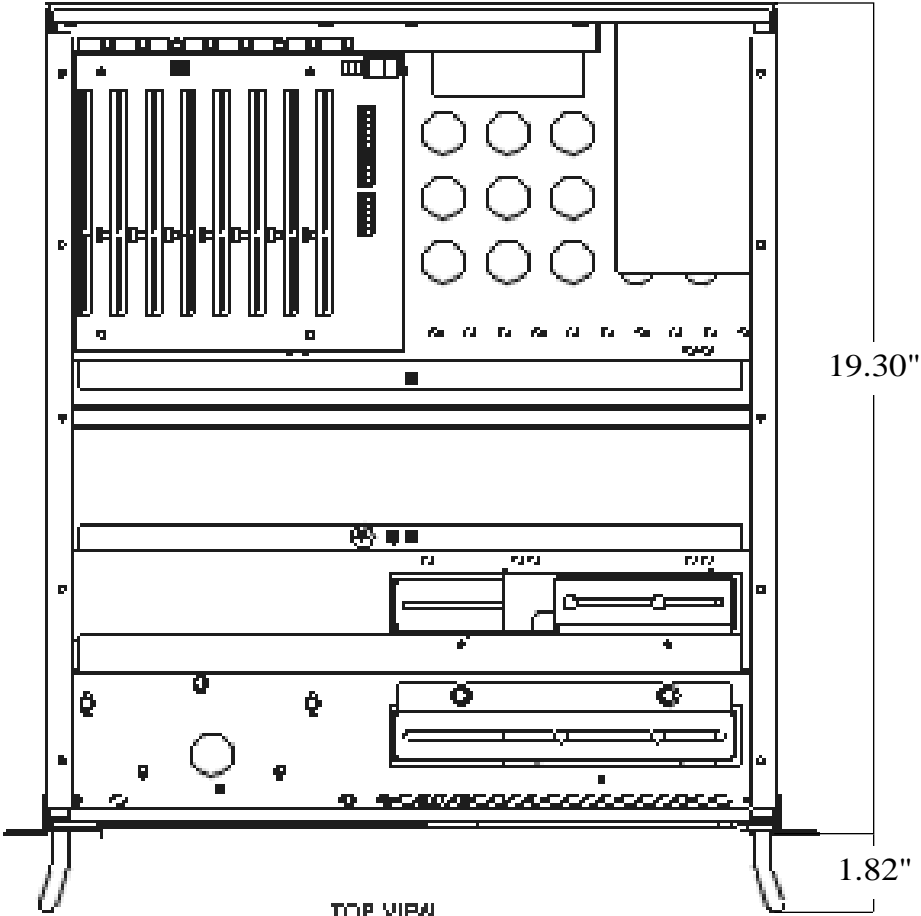
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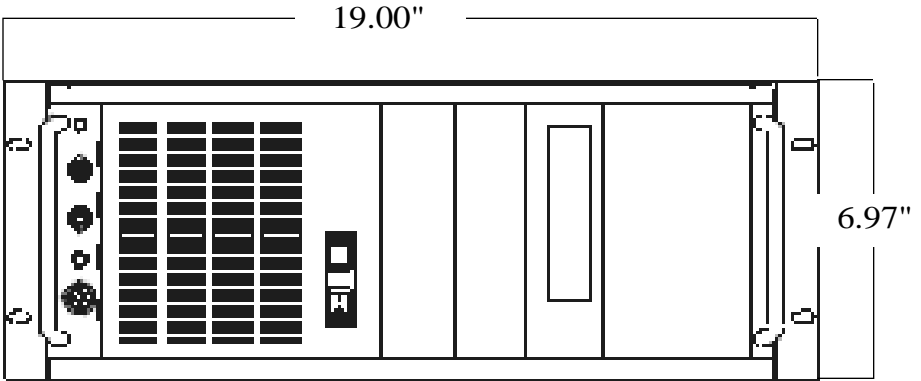
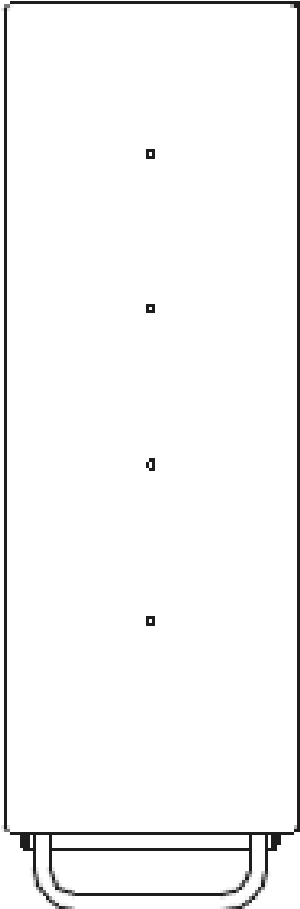
# MediaMatrix® Miniframe 208™



REAR VIEW



TOP VIEW



FRONT VIEW



Features and specifications subject to change without notice.

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